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[Qi Yu](#), [Xumin Liu](#), [Athman Bouguettaya](#), [Brahim Medjahed](#)

May 2008

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Publisher: Springer-Verlag New York, Inc.Full text available: ☒ Pdf (903.96 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 290, Downloads (12 Months): 1676, Citation Count: 2

Web services are expected to be the key technology in enabling the next installment of the Service Web. In this paradigm shift, Web services would be treated as first

Keywords: Interoperability, Service-oriented computing, Web service management systems**22** [Service oriented architectures: approaches, technologies and research issues](#)
[Mike P. Papazoglou](#), [Willem-Jan Heuvel](#)

July 2007

The VLDB Journal — The International Journal on Very Large Data Bas

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Publisher: Springer-Verlag New York, Inc.Full text available: ☒ Pdf (818.68 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 380, Downloads (12 Months): 3254, Citation Count: 9



Service-oriented architectures (SOA) is an emerging approach that addresses the requirements for loosely coupled, standards-based, and protocol-independent distributed computing. Typical operations running in an SOA comprise a number of invocations ...

Keywords: Application and service integration, Asynchronous and event-driven processing, Service oriented architecture, Web services**23** [Stateful distributed interposition](#)
☒ [John Reumann](#), [Kang G. Shin](#)
February 2004 **Transactions on Computer Systems (TOCS)**, Volume 22 Issue 1**Publisher:** ACMFull text available: ☒ Pdf (833.84 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 84, Citation Count: 3



Interposition-based system enhancements for multitiered servers are difficult to build because system context is typically lost at application and machine boundaries. For example, re-authentication and user identities do not propagate easily ...

Keywords: Distributed computing, component services, distributed context, multitiered operating systems, server consolidation**ADVANCED SEARCH**
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24 [Framework for Web service query algebra and optimization](#) [QI Yu, Athman Bouguettaya](#)February 2008 **Transactions on the Web (TWEB)** , Volume 2 Issue 1**Publisher:** ACMFull text available:  [Pdf](#) (1.13 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 60, Downloads (12 Months): 414, Citation Count: 0


We present a query algebra that supports optimized access of Web services through service queries. The service query algebra is defined based on a formal service model that provides an abstraction of Web services across an application ...

Keywords: Web service, query optimization, service oriented computing, service query**25** [The design and applications of a context service](#) [Hui Lei, Daby M. Sow, John S. Davis, II, Guruduth Banavar, Maria R. Ebling](#)October 2002 **SI MOBILE Mobile Computing and Communications Review** , Volume 6 Issue 4**Publisher:** ACMFull text available:  [Pdf](#) (87.81 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 171, Citation Count: 15

Context awareness enables applications to adapt themselves to their computing environment better suit the needs of the user and the tasks. This paper describes a general middleware for context collection and dissemination, ...

26 [CWSC4EC: how to employ context, web service, and community in enterprise collaboration](#) [Khouloud Boukadi, Chirine Ghedira, Sodki Chaari, Lucien Vincent, Emad Bataineh](#)June 2008 **NOTERE '08: Proceedings of the 8th international conference on New technologies for distributed systems****Publisher:** ACMFull text available:  [Pdf](#) (2.87 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 87, Citation Count: 0

Web services are becoming an essential support for inter-enterprise collaborative business processes. Nevertheless, in spite of the crucial progress in Web service technologies there is some challenge especially in the discovery and selection phase. In ...

Keywords: collaborative business process, collaborative business process creation, collaborative web service**27** [Designing a distributed access control processor for network services on the Web](#) [Reiner Kraft](#)November 2002 **XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security****Publisher:** ACMFull text available:  [Pdf](#) (301.14 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 190, Citation Count: 4

The service oriented architecture (SOA) is gaining more momentum with the advent of XML on the Web. A programmable and machine accessible Web is the vision of many, and a first step towards the semantic Web. However, security is ...

Keywords: Web services, XML, access control, security**28** [A cooperation-based approach for evolution of service ontologies](#)

Murat Sensoy, Pinar Yolum

May 2008 **AAMAS '08: Proceedings of the 7th international joint conference on A agents and multiagent systems - Volume 2**, Volume 2

Publisher: International Foundation for Autonomous Agents and Multiagent Systems


Full text available:  Pdf (324.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 62, Citation Count: 0

Communication among agents requires a common vocabulary to facilitate successful ir exchange. One way to achieve this is to assume the existence of a common ontology a communicating agents. However, this is a strong assumption, because agents ...

Keywords: e-commerce, semantics, service ontology

29 [A Web services composition approach based on software agents and context](#)

 Zakaria Maamar, Soraya Kouadri, Hamdi Yahyaoui

March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applied computing**

Publisher: ACM

Full text available:  Pdf (212.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 104, Citation Count: 4

We present an agent-based and context-oriented approach for Web services compositi is an accessible application that other applications and humans can discover and trigge various needs. Due to the complexity of Web services ...

Keywords: Web service, composition, context, security, software agent

30 [On exploring performance optimizations in web service composition](#)

Jingwen Jin, Klara Nahrstedt

October 2004 **Middleware '04: Proceedings of the 5th ACM/IFIP/USENIX international cor Middleware**

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (403.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 81, Citation Count: 3

The importance of service composition has been widely recognized in the Internet rese due to its high flexibility in allowing development of customized applications from prim plug-and-play manner. Although much research ...


Keywords: QoS, application-level routing, multicast, overlay networks, service compc

31 [Service composition for mobile environments](#)

Dipanjan Chakraborty, Anupam Joshi, Tim Finin, Yelena Yesha

August 2005 **Mobile Networks and Applications**, Volume 10 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (2.33 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 202, Citation Count: 4

Service Composition, that is, the development of customized services by discovering, i executing existing services has received a lot of attention in the last couple of years wi wired-infrastructure or Internet web services. ...

Keywords: DAML, broker, mobility, resource heterogeneity, service composition, serv

32 [Composing Web services on the Semantic Web](#)


Brahim Medjahed, Athman Bouguettaya, Ahmed K. Elmagarmid

November 2003 **The VLDB Journal — The International Journal on Very Large Data**

Issue 4

Publisher: Springer-Verlag New York, Inc.Full text available:  [Pdf](#) (1.29 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 59, Downloads (12 Months): 493, Citation Count: 42

Service composition is gaining momentum as the potential *silver bullet* for the envisioner. It purports to take the Web to unexplored efficiencies and provide a flexible approach to types of activities in tomorrow's ...

Keywords: Ontology, Semantic Web, Service composition, Web services**33** [Testing pervasive software in the presence of context inconsistency resolution ser](#) Heng Lu, W.K. Chan, T.H. TseMay 2008 **I CSE '08: Proceedings of the 30th international conference on Software engin****Publisher:** ACMFull text available:  [Pdf](#) (258.14 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 274, Citation Count: 2


Pervasive computing software adapts its behavior according to the changing contexts. contexts are often noisy. Context inconsistency resolution provides a cleaner pervasive environment to context-aware applications. A faulty context-aware ...

Keywords: context inconsistency resolution, pervasive computing, test adequacy**34** [Web service composition with case-based reasoning](#)



Benchaphon Limthanmaphon, Yanchun Zhang

January 2003 **ADC '03: Proceedings of the 14th Australasian database conference ·**

Volume 17

Publisher: Australian Computer Society, Inc.Full text available:  [Pdf](#) (77.74 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 107, Citation Count: 10


To run a smart E-Business or provide efficient Web service, a web services composition Web services composition refers to the process of collaborating the heterogeneous web paper presents a model of web services composition ...

Keywords: case-based reasoning, web service, web service discovery**35** [Quality driven web services composition](#) Liangzhao Zeng, Boualem Benatallah, Marlon Dumas, Jayant Kalagnanam, Quan Z. ShengMay 2003 **WWW '03: Proceedings of the 12th international conference on World Wide W****Publisher:** ACMFull text available:  [Pdf](#) (245.01 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 391, Citation Count: 44

The process-driven composition of Web services is emerging as a promising approach to business applications within and across organizational boundaries. In this approach, in services are federated into composite Web services whose ...

Keywords: QoS, service composition, web services

36 Serviguration: towards online configurability of real-world services

 Ziv Baida, Hans Akkermans, Jaap Gordijn

September 2003 **ICEC '03**: Proceedings of the 5th international conference on Electronic c

Publisher: ACM

Full text available:  Pdf (322.59 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited b](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 2

Current eCommerce is still mainly characterized by the relatively straightforward tradir goods. Nextgeneration efforts in worldwide information infrastructure, especially the S Web Services, contribute some necessary, but ...

Keywords: SemanticWeb technologies, collaborative eCommerce, configuration, ontol product/service description

37 Quality aspects in service ecosystems: areas for exploitation and exploration

 Christoph Riedl, Tilo Böhmann, Michael Rosemann, Helmut Krcmar

August 2008 **ICEC '08**: Proceedings of the 10th international conference on Electronic com

Publisher: ACM

Full text available:  Pdf (704.90 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index i](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 112, Citation Count: 0

Service Science, Management, and Engineering (SSME) is a research area with signific research and practice. Networked systems of web services are a field of service scienc growing interest from researchers. The complex and ...



Keywords: innovation, new service development (NSD), quality management, service service management, web service

38 What can context do for web services?

 Zakaria Maamar, Djamel Benslimane, Nanjangud C. Narendra

December 2006 **Communications of the ACM**, Volume 49 Issue 12


Publisher: ACM

Full text available:  Html (24.37 KB),  Pdf (600.73 KB) Additional Information: [full citation](#), [abstract](#), [refer terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 270, Citation Count: 4

Context-aware Web service would significantly benefit the interactions between humar and the environment.

39 A service creation environment based on end to end composition of Web services

 Vikas Agarwal, Koustuv Dasgupta, Neeran Karnik, Arun Kumar, Ashish Kundu, Sumit Mitt: Srivastava

May 2005 **WWW '05**: Proceedings of the 14th international conference on World Wide V

Publisher: ACM

Full text available:  Pdf (346.42 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index i](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 364, Citation Count: 11

The demand for quickly delivering new applications is increasingly becoming a busines today. Application development is often done in an ad hoc manner, without standard fi libraries, thus resulting in poor reuse of software assets. ...

Keywords: Web services composition, planning, semantic Web

40 [Rich service description for a *smarter lifestyle*](#)[Patricia Charlton, Myriam Ribiere](#)

July 2003

AAMAS '03: Proceedings of the second international joint conference on Autonomous and multiagent systems**Publisher:** ACMFull text available: [Pdf](#) (191.10 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 0

A generally portrayed mobile society vision is captured by the idea of *Intelligent Personal Lifestyle Assistants* that takes on many forms, they help you find your way around the might be mobile, they may be socially intelligent ...

Keywords: DAML-S, dynamic team formation, service aggregation, service description web services

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